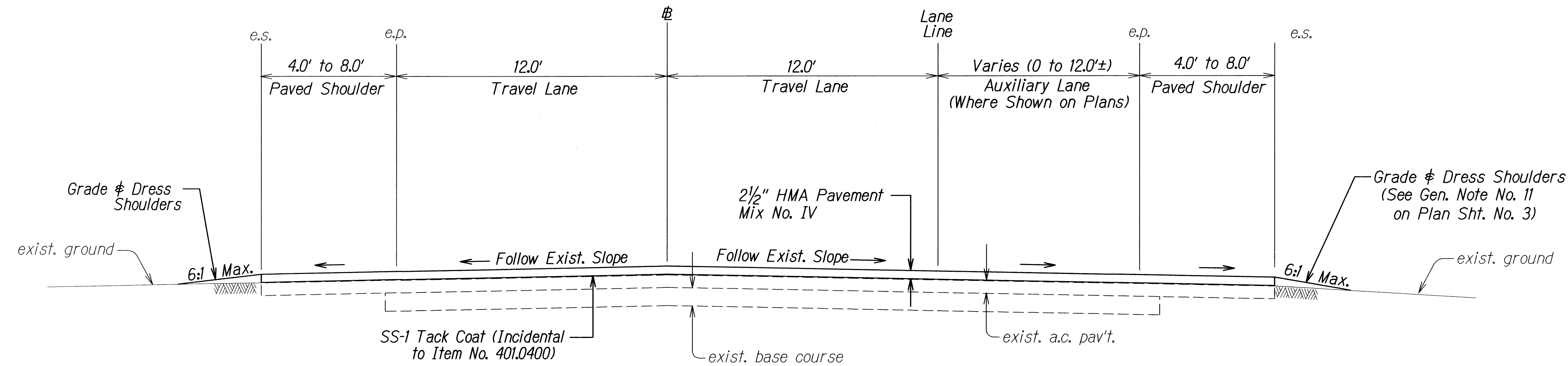
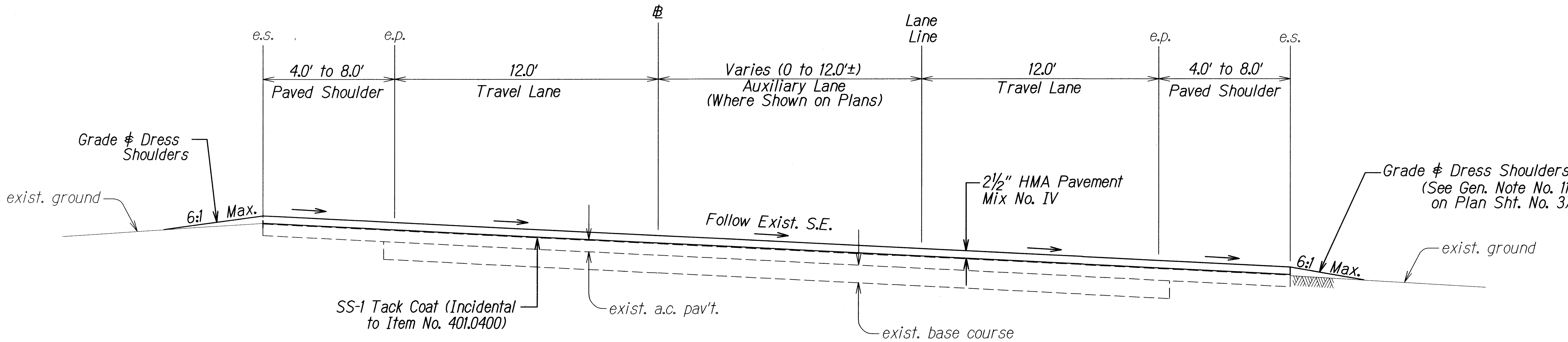


FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-11M	2012	6	31



TYPICAL TANGENT SECTION
 Scale: 3/8" = 1'-0"

NOTE: See Plan Sht. No. 8 for resurfacing at guardrail locations.



TYPICAL SECTION ON SUPERELEVATION
 Scale: 3/8" = 1'-0"

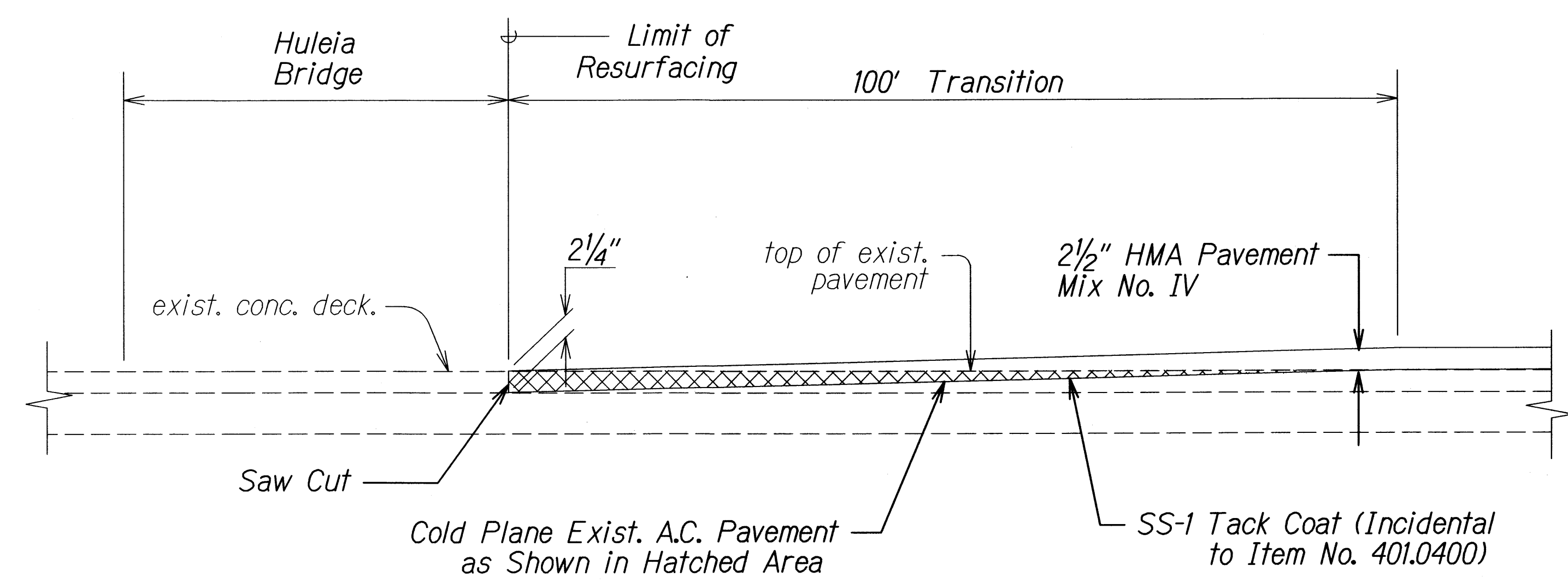
ORIGINAL PLAN	SURVEY PLOTTED BY	DATE
NOTE BOOK	DRAWN BY	
REVISIONS	CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

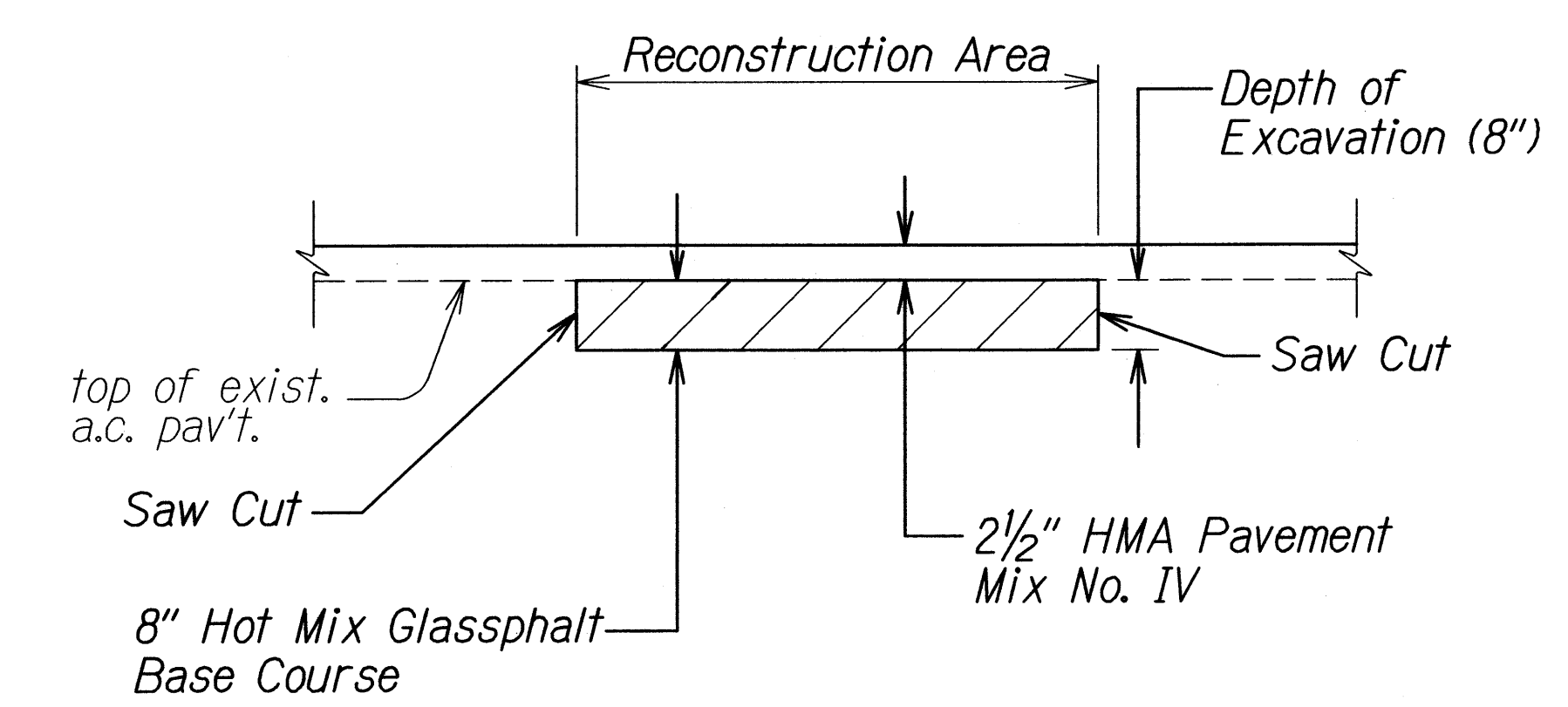
TYPICAL SECTIONS
KAUMUALII HIGHWAY RESURFACING
Kipu Road to Huleia Bridge
Proj. No. 50D-01-11M
Scale: 3/8"=1'-0" Date: January 2012

SHEET No. 1 OF 4 SHEETS

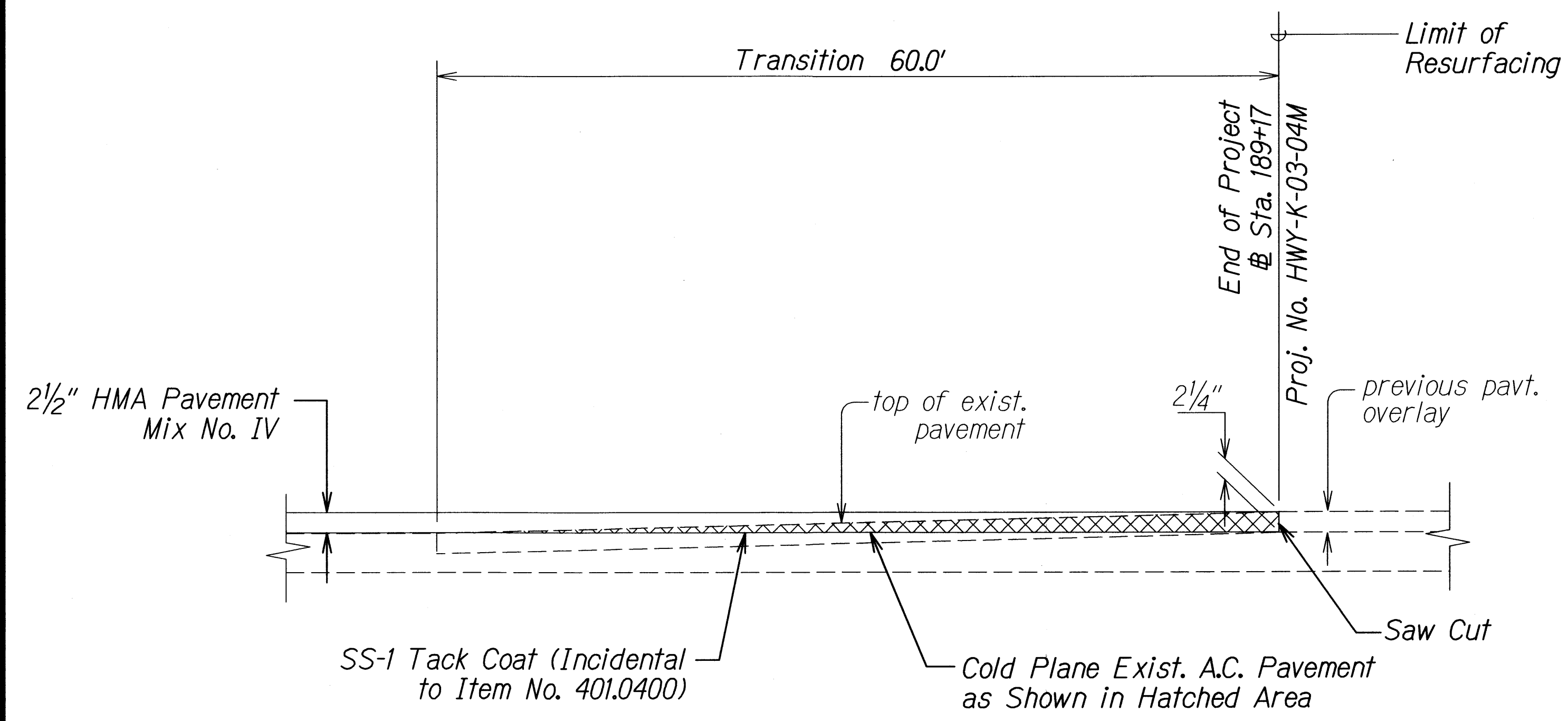
FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-11M	2012	7	31



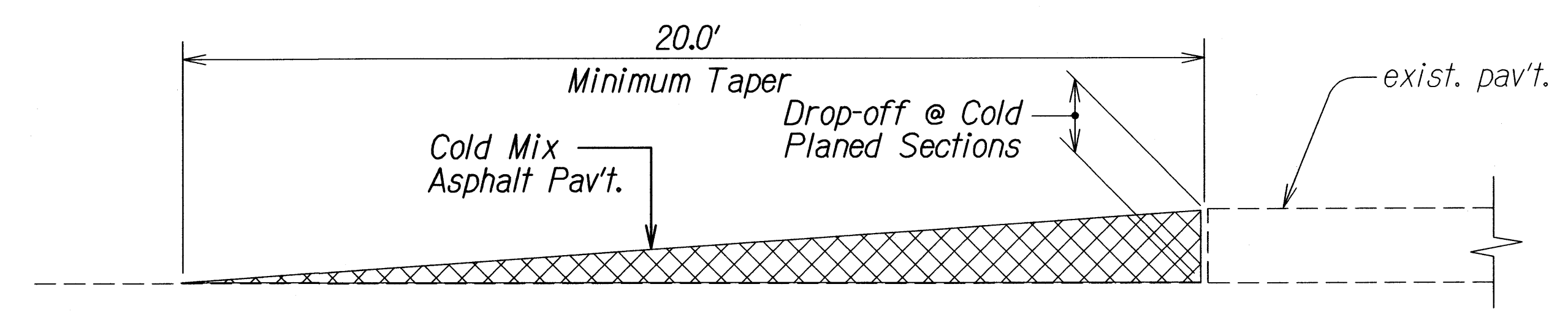
COLD PLANED TRANSITION TO EXIST'G A.C. PAVEMENT AT BRIDGE APPROACH
Not to Scale



A.C. PAVEMENT RECONSTRUCTION DETAIL
Not to Scale



COLD PLANED TRANSITION TO EXIST'G A.C. PAVEMENT AT END OF PROJECT
Not to Scale



TEMPORARY TRANSITION AT COLD PLANED AREAS
Not to Scale

Note: Contractor shall construct temporary pavement taper to prevent sharp pavement drop-offs at all cold planed sections. Prior to final Asphalt Pavement placement, temporary pavement taper shall be removed.

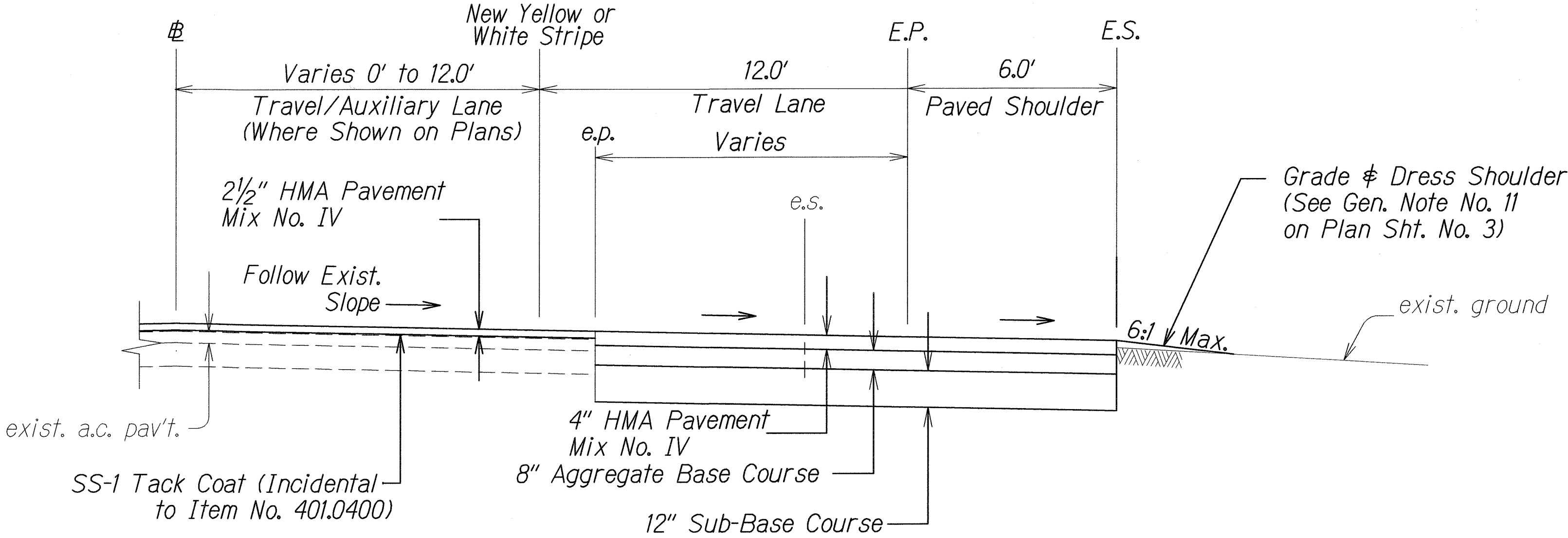
SURVEY PLOTTED BY	DATE
DRAWN BY	
TRACED BY	
CHECKED BY	
NOTED BY	
QUANTITIES BY	
CHECKED BY	

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
KAUMUALII HIGHWAY RESURFACING
Kipu Road to Huleia Bridge
Proj. No. 50D-01-11M
Not to Scale

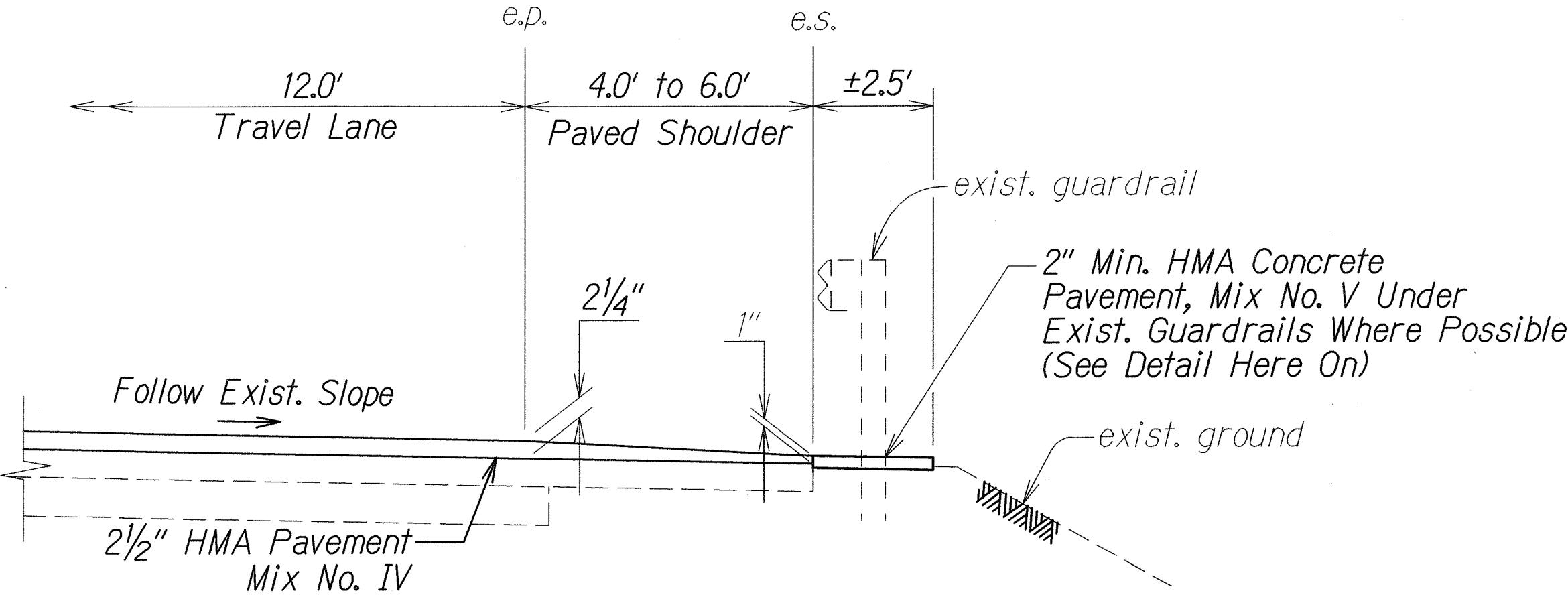
Date: January 2012

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-11M	2012	ADD.8	31



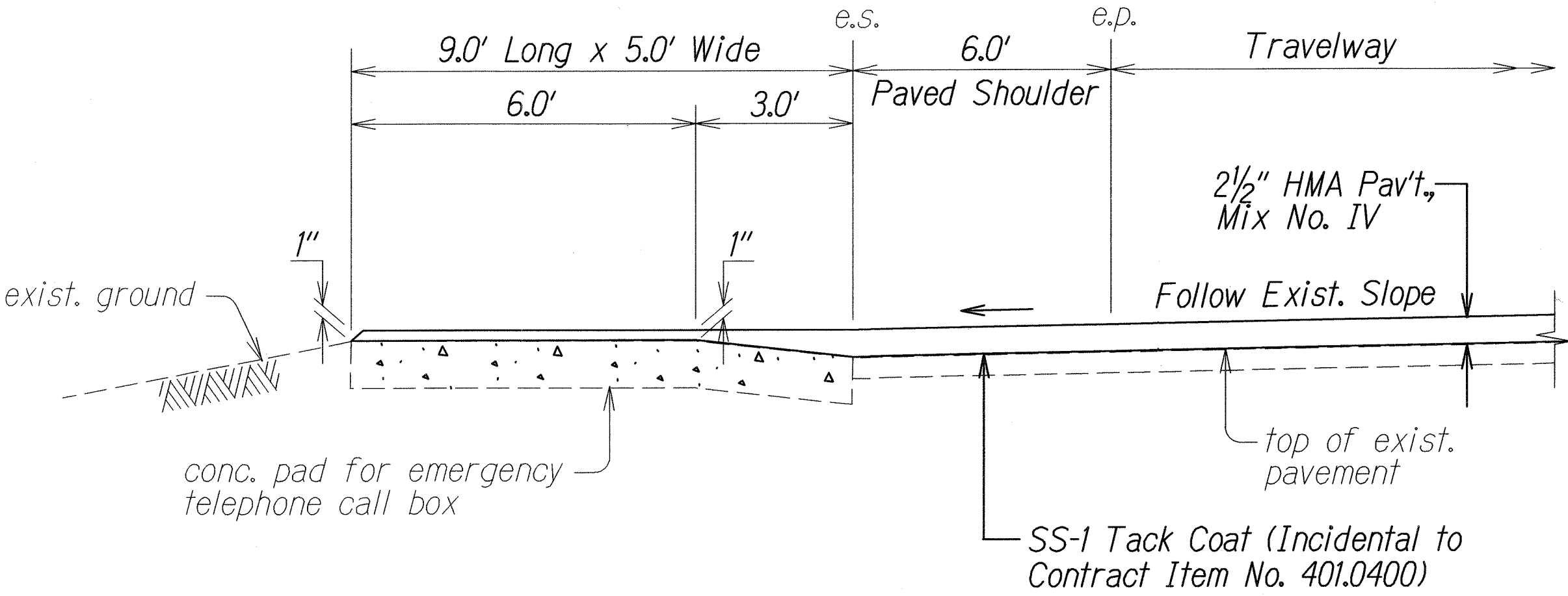
△ TYPICAL PAVED SHOULDER RECONSTRUCTION
FROM STA. 164+90.14± TO STA. 171+22±

Not to Scale



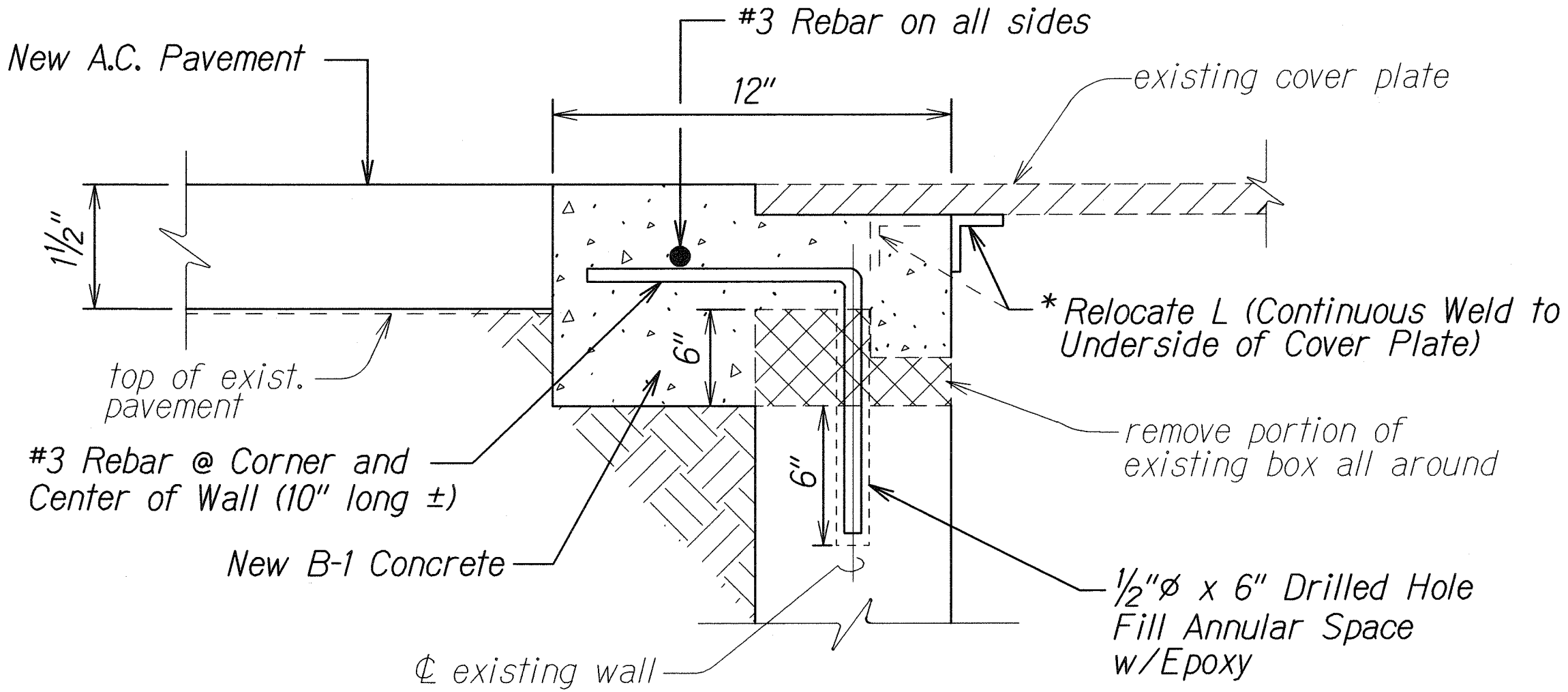
△ RESURFACING AT GUARDRAIL LOCATIONS

Not to Scale



RESURFACING AT EMERGENCY TELEPHONE BOX

Not to Scale



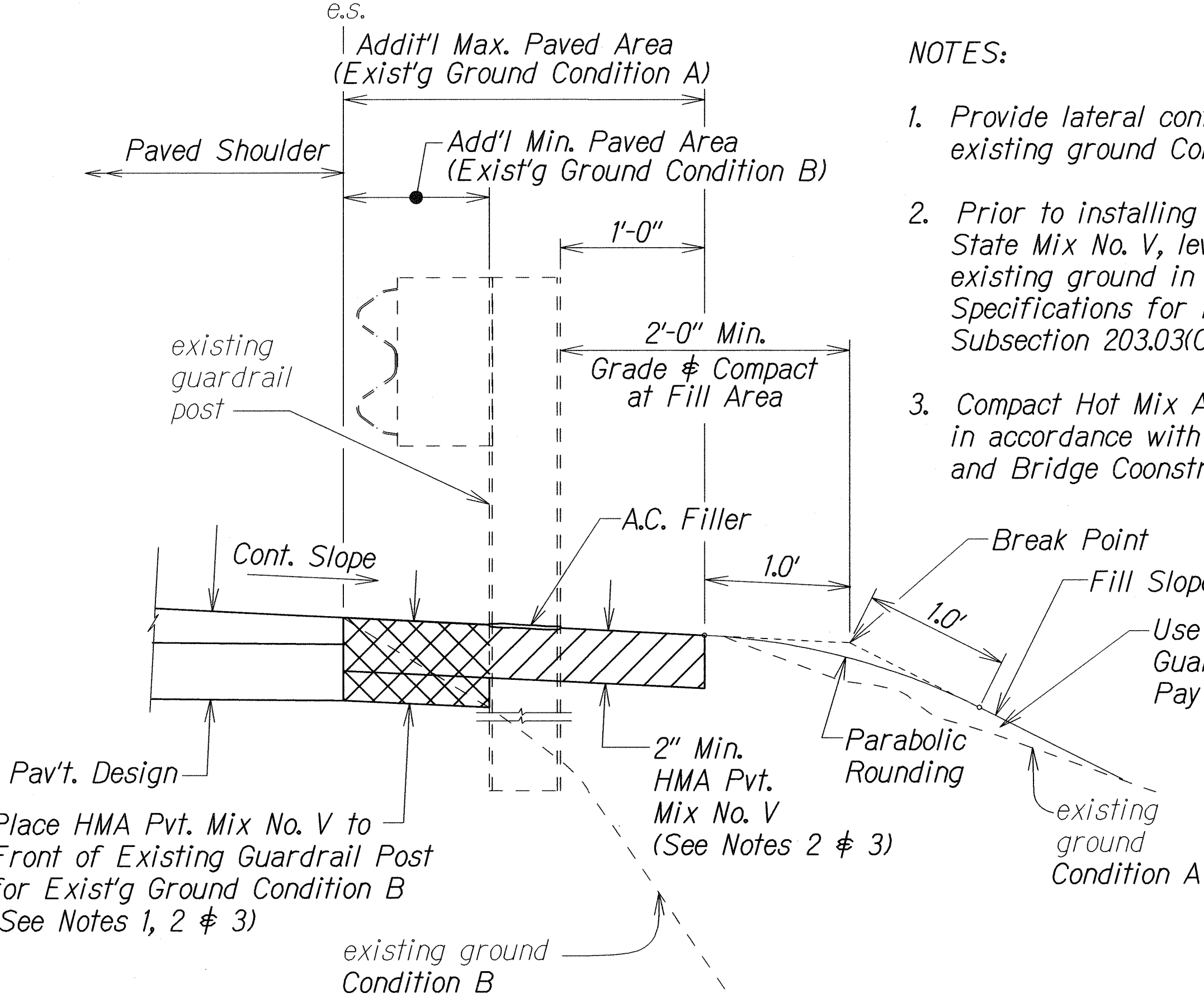
UTILITY BOX ADJUSTMENT DETAIL

Not to Scale

* NOTE: For utility boxes with cover frames, the Contractor shall remove and adjust the frames to the new finished grade by embedding the frame in new concrete section as shown above

NOTES:

1. Provide lateral confinement for HMA on off-road side under existing ground Condition B.
2. Prior to installing Hot Mix Asphalt Conc. Pavement, State Mix No. V, level & remove vegetation and compact existing ground in accordance with Hawaii Standard Specifications for Road and Bridge Construction, Subsection 203.03(CX3).
3. Compact Hot Mix Asphalt Conc. Pavement, State Mix No. V in accordance with Hawaii Standard Specifications for Road and Bridge Construction, Subsection 401.03(FX3).



ELEVATION

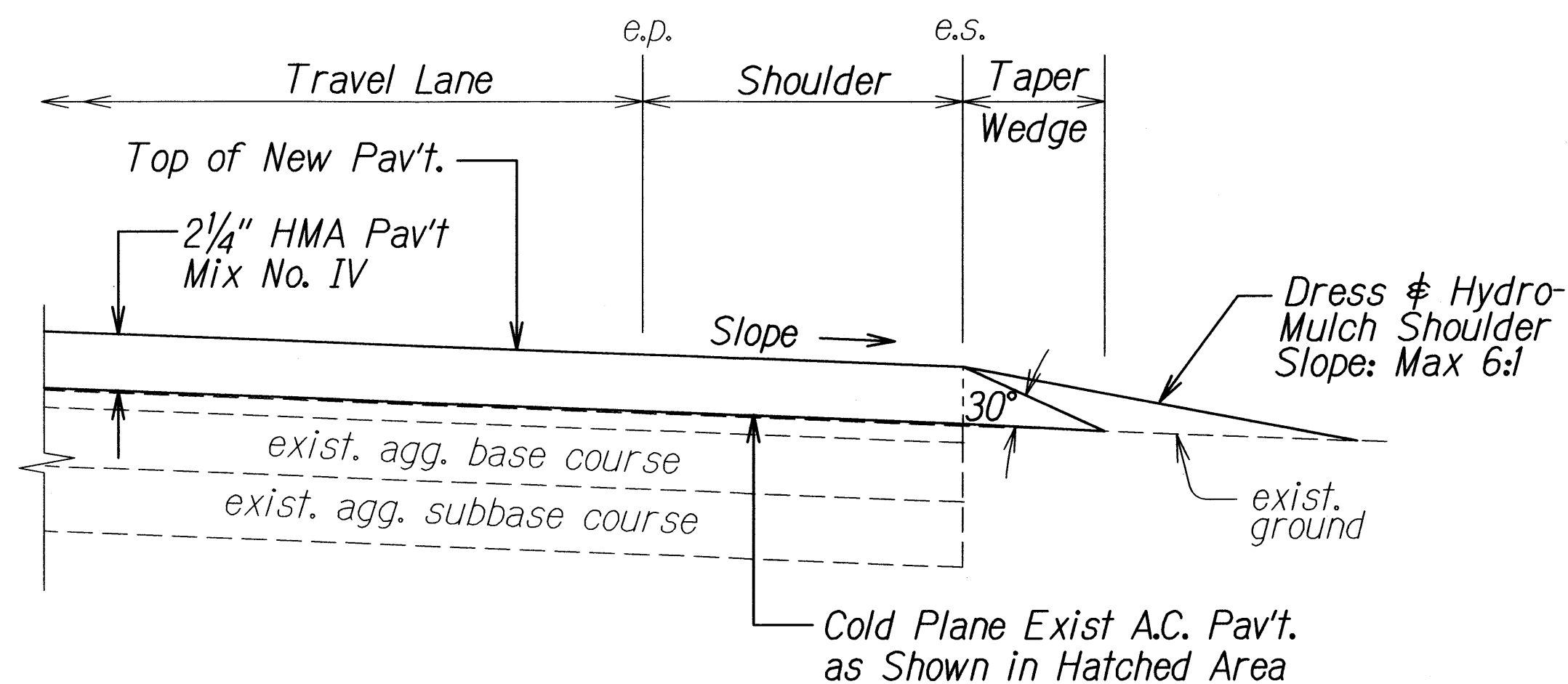
△ TYPICAL ASPHALT PAVEMENT UNDER GUARDRAIL

Not to Scale

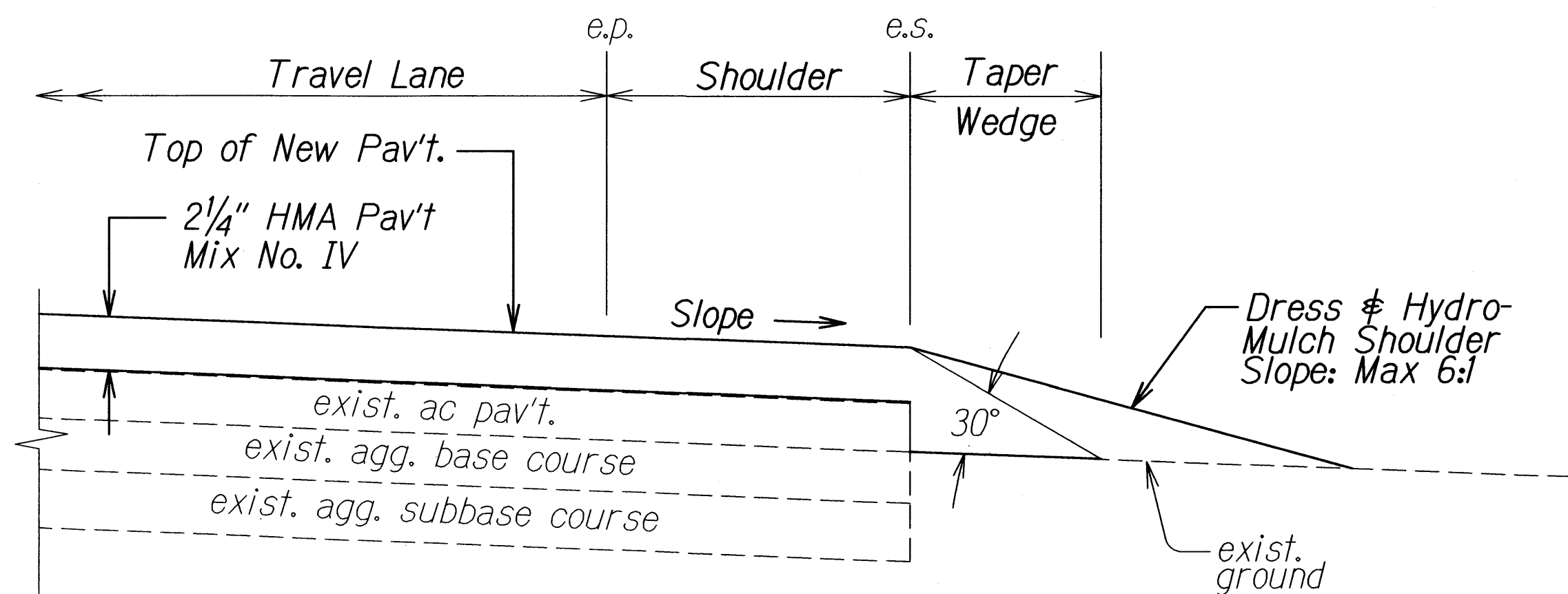
DATE	DATE
DESIGNED BY	DESIGNED BY
CHECKED BY	CHECKED BY
NOTED BY	NOTED BY
QUANTITIES BY	QUANTITIES BY
ORIGINAL PLAN	ORIGINAL PLAN

4/11/12	△ Section Detail @ Typical Paved Shoulder Reconstruction, Pavement Under Exist'g Guardrails
DATE	REVISION
STATE OF HAWAII DEPARTMENT OF TRANSPORTATION HIGHWAYS DIVISION	
<u>TYPICAL SECTIONS</u>	
<u>KAUMUALII HIGHWAY RESURFACING</u>	
<u>Kipu Road to Huleia Bridge</u>	
<u>Proj. No. 50D-01-11M</u>	
Scale: Not to Scale	Date: January 2012
SHEET No. 3 OF 4 SHEETS	

FED. ROAD DIST. NO.	STATE	PROJ. NO.	FISCAL YEAR	SHEET NO.	TOTAL SHEETS
HAWAII	HAW.	50D-01-11M	2012	9	31

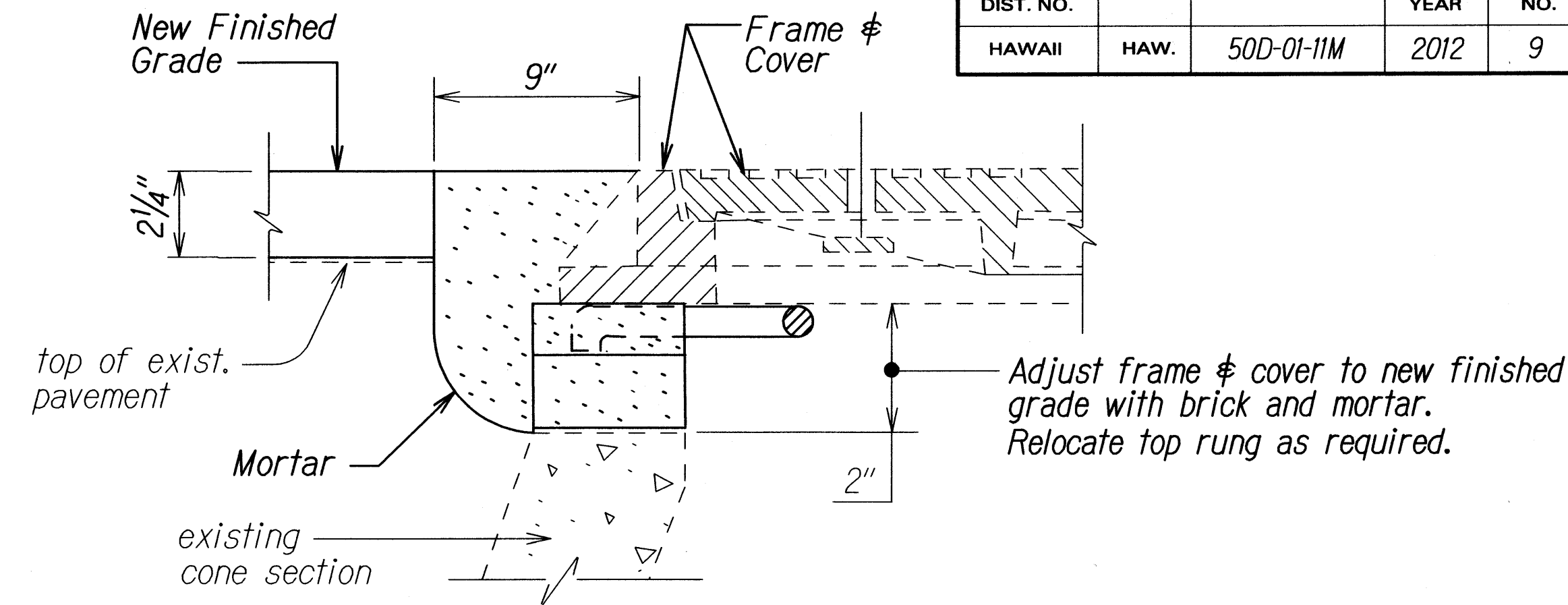


Typical Pavement Edge Detail (Cold Planed Areas)
Not to Scale



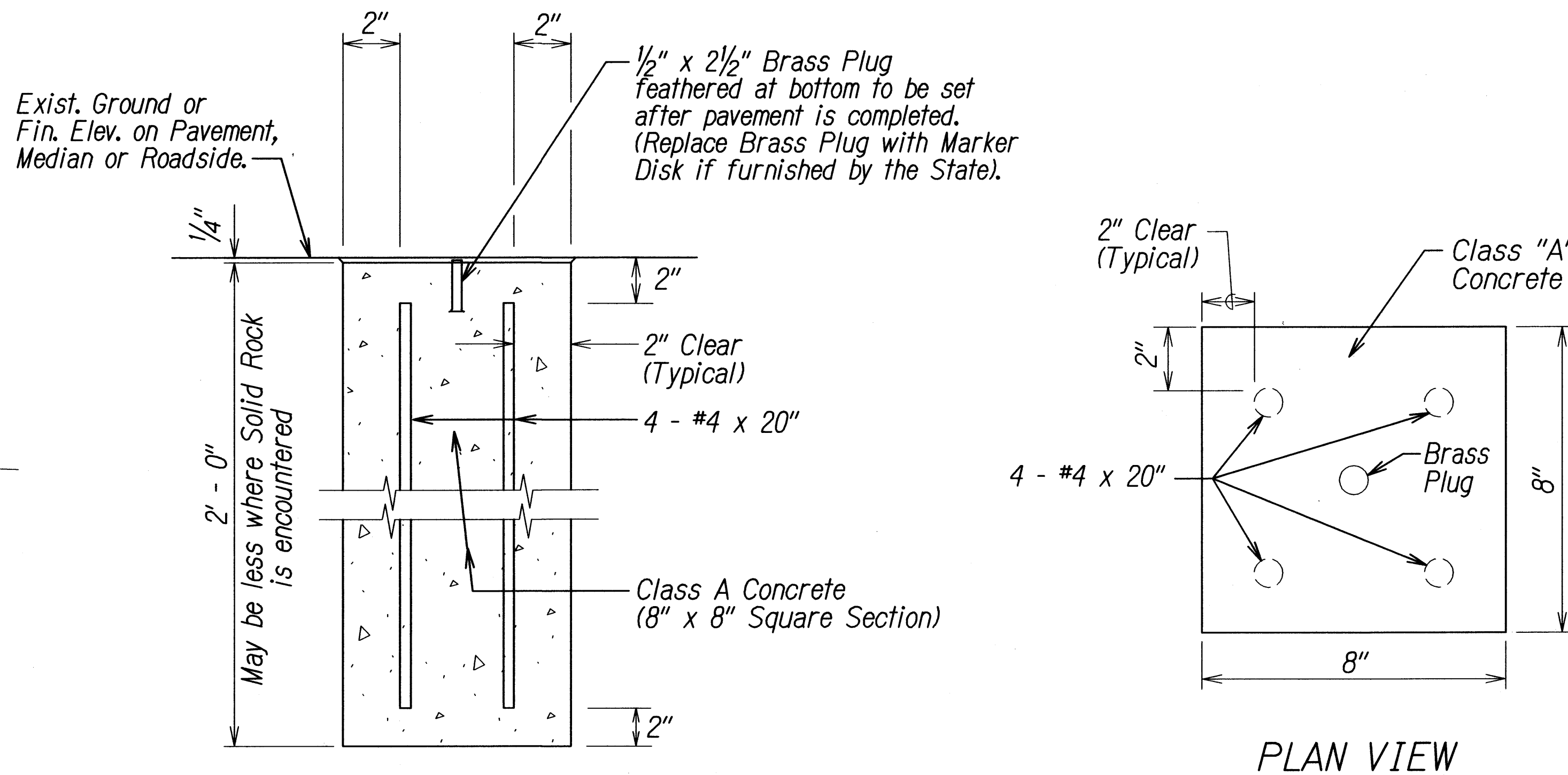
Typical Pavement Edge Detail (Asphalt Overlay Areas)
Not to Scale

Note: Contractor shall mount a device directly on the paver screed extension to provide a 30° beveled shoulder edge.



TYPICAL MANHOLE FRAME & COVER ADJUSTMENT
(SEWER, WATER, STORM DRAIN & UTILITY MANHOLES)
Not to Scale

NOTE: As an option, the Contractor may use an Adjust-to-Grade four-section extension ring with Safe-Tite seal, as manufactured by the National Utility Products Co. (NUPCO), or approved equal. Mortar shall be colored to match A.C. pavement.



DETAIL FOR CENTERLINE & REFERENCE
SURVEY MONUMENT
Not to Scale

PLAN VIEW

STATE OF HAWAII
DEPARTMENT OF TRANSPORTATION
HIGHWAYS DIVISION

TYPICAL SECTIONS
KAUMUALII HIGHWAY RESURFACING
Kipu Road to Huleia Bridge
Proj. No. 50D-01-11M
Scale: 3/8"=1'-0" Date: January 2012